IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: SOMERVILLE, Robin B.; FAN, Liang-Tseng

SERIAL NO.: 10/089,896 ART UNIT: 1764

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TITLE: PROCESS FOR MODIFYING COAL SO AS TO REDUCE SULFUR EMISSIONS

Supplemental Amendment B: CLAIM AMENDMENTS

Claims 1 - 20 (canceled). These claims were canceled by a previous amendment.

Claims 21 - 39 (canceled).

40. (new) A method of utilizing a coal product having reduced sulfur emissions comprising:

grinding a raw coal material into a coal powder having a desired particle size;

agglomerating said coal powder with fresh hydrated lime in an enclosed vessel, said fresh hydrated lime being generally unexposed to atmospheric carbon dioxide;

adding water to the agglomeration of coal powder and fresh hydrated lime in the enclosed vessel so as to have a moisture content of between 10 and 30 weight percent of the total weight of the water-added agglomeration;

drying the water-added agglomeration so as to have a desired moisture content; and

immediately injecting the dried agglomeration into a combustion chamber.

41. (new) The method of Claim 40, said coal powder having a particle size of between 80 and 20 meshes.

42. (new) The method of Claim 41, said coal powder having an average particle size of 40 meshes.

43. (new) The method of Claim 40, said fresh hydrated lime being of a particle form and without binders added thereto.